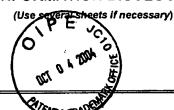
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/SL/	AA	4,444,887	4/24/84	Hoffmann			
1	AB	4,474,893	10/2/84	Reading			
	AC	4,631,211	12/23/86	Houghten			
	AD	4,676,980	6/30/87	Segal et al.			
	AE	4,714,681	12/22/87	Reading			7
1	AF	4,716,111	12/29/87	Osband et al.			7
	AG	4,741,900	5/3/88	Alvarez et al.			7
	AH	4,816,397	3/28/89	Boss et al.			
	Al	4,816,567	3/28/89	Cabilly et al.			/
	AJ	4,925,648	5/15/90	Hansen et al.	•	X	·
	AK	4,946,778	8/7/90	Ladner et al.			
	AL	5,010,175	4/23/91	Rutter et al.			
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	T	DOCUMENT NUMBER	FOREIG	OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	AM	DOCUMENT NUMBER EP 0 171 496			CLASS	SUBCLASS	TRANSLATION YES NO
	AM AN		DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
		EP 0 171 496	DATE 5/26/93	OFFICE	CLASS	SUBCLASS	YES NO
	AN	EP 0 171 496 EP 0 173 494	5/26/93 3/5/86	OFFICE EP	CLASS	SUBCLASS	YES NO
	AN AO	EP 0 171 496 EP 0 173 494 EP 0 239 400	5/26/93 3/5/86 8/3/94	OFFICE EP EP	CLASS	SUBCLASS	YES NO
	AN AO AP	EP 0 171 496 EP 0 173 494 EP 0 239 400 EP 0 307 434 EP 0 322 094	5/26/93 3/5/86 8/3/94 7/29/98 12/2/92	OFFICE EP EP EP			YES NO
	AN AO AP	EP 0 171 496 EP 0 173 494 EP 0 239 400 EP 0 307 434 EP 0 322 094 OTHER DOC	5/26/93 3/5/86 8/3/94 7/29/98 12/2/92 UMENTS (Distinct type	OFFICE EP EP EP EP Including Author, Title, Date, Perties of diffuse large B-cell lymph	inent pages, E	tc.)	YES NO
	AN AO AP AQ	EP 0 171 496 EP 0 173 494 EP 0 239 400 EP 0 307 434 EP 0 322 094 OTHER DOC Alizadeh, A.A. et al., "profiling", Nature, Vol. Ames, R.S. et al., "Cofull length immunoglo	5/26/93 3/5/86 8/3/94 7/29/98 12/2/92 UMENTS (Distinct type 403, pp. 50 Inversion of bulins", Jour	EP EP EP EP Including Author, Title, Date, Perties of diffuse large B-cell lymph 3-511 (2000) murine Fabs isolated from a conal of Immunological Method	inent pages, E homa identificombinatoria s, Vol. 184,	tc.) ied by gene al phage dis	expression play library to (1995)
	AN AO AP AQ	EP 0 171 496 EP 0 173 494 EP 0 239 400 EP 0 307 434 EP 0 322 094 OTHER DOC Alizadeh, A.A. et al., "profiling", Nature, Vol. Ames, R.S. et al., "Cofull length immunoglo	5/26/93 3/5/86 8/3/94 7/29/98 12/2/92 UMENTS Distinct type 403, pp. 50 onversion of bulins", Jour	OFFICE EP EP EP (Including Author, Title, Date, Perties of diffuse large B-cell lymph 3-511 (2000)	inent pages, E homa identificombinatoria s, Vol. 184,	ied by gene al phage dis pp. 177-186 ancer Thera	expression play library to (1995)

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7SL/	2AA	5,112,946	5/12/92	Maione	. \		
	2AB	5,122,464	6/16/92	Wilson et al.			
	2AC	5,223,409	6/29/93	Ladner et al.			
	2AD	5,225,539	7/6/93	Winter			
	2AE	5,258,498	11/2/93	Huston et al.	. \		
	2AF	5,288,514	2/22/94	Ellman			
	2AG	5,314,995	5/24/94	Fell, Jr. et al.	\		
	2AH	5,336,603	8/9/94	Capon et al.			
	2AI	5,349,053	9/20/94	Landolfi			
	2AJ	5,359,046	10/25/94	Capon et al.		X	
	2AK	5,403,484	4/4/95	Ladner et al.			
	2AL	5,413,923	5/9/95	Kucherlapati et al.			
		•	FOREIG	N PATENT DOCUMENTS		/ \	•
		DOCUMENT NUMBER	DATE	OFFICE	CLASS	BCLASS TRA	NSLATIC
	2AM	EP 0 367 166	5/9/90	EP			
	2AN	EP 0 394 827	10/31/90	EP			<u> </u>
	2AO	EP 0 396 387	12/22/93	EP			
	2AP	EP 0 413 622	2/11/98	EP			
	2AQ	EP 0 439 095	5/20/98	EP			
		OTHER DOC	UMENTS (Including Author, Title, Date, P	ertinent pages, Etc.)		
	2AR	Ashkenazi, A. et al., "I immunoadhesin", Pro	Protection ago, c. Natl. Acad	gainst endotoxic shock by a I. Sci. USA, Vol. 88, pp. 10	a tumor necrosis fa 535-10539 (1991)	ctor receptor	
	2AS	Ausubel, F.M. et al., e Sons, Inc., publ., pp.		Protocols in Molecular Bio f contents) (2001)	logy, Vols. 1, 2, 3	and 4, John V	Viley &
$\overline{\mathbf{V}}$	2AT	Ausubel, F.M. et al., e Molecular Biology, Vo	eds., Unit 2.1 I. 1, John W	0: "Hybridization Analysis iley & Sons, Inc., publ., pp.	of DNA Blots", Cu 2.10.1-2.10.16 (1	rrent Protoco 993)	ls in
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^{*}EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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		•	U.S. F	PATENT DOCUMENTS				
KAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CL	188	SUBCLASS	FILING DATE
L/	3AA	5,427,908	6/27/95	Dower et al.	\			
	3AB	5,447,851	9/5/95	Beutler et al.				
	3AC	5,474,981	12/12/95	Leder et al.				/
	3AD	5,506,337	4/9/96	Summerton et al.				7
-	3AE	5,516,637	5/14/96	Huang et al.		abla		7
	3AF	5,519,134	5/21/96	Acevedo et al.				
	3AG	5,525,735	6/11/96	Gallop et al.				
	3AH	5,530,101	6/25/96	Queen et al.		<u> </u>		
	3AI	5,539,083	7/23/96	Cook et al.			$\overline{}$	
	3AJ	5,545,806	8/13/96	Lonberg et al.			∇	
	3AK	5,549,974	8/27/96	Holmes			Λ	
	3AL	5,565,332	10/15/96	Hoogenboom et al.				
			FOREIG	N PATENT DOCUMENTS			\	
		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBC	LASS TRY	NSLATIC
	. 3AM	EP 0 519 596	12/23/92	EP		/		V
	3AN	EP 0 592 106	4/13/94	EP	7			\ <u>\</u>
	3AO	WO 86/01533	3/13/86	PCT				17
	3AP	WO 86/05807	10/9/86	PCT				
	3AQ	WO 87/02671	5/7/87	PCT	7			
		OTHER DOC	UMENTS (Including Author, Title, Date, Perti	inent pages, E	itc.)		·
	3AR			: "Using DNA Fragments as iley & Sons, Inc., publ., pp. 6.			Protocols, in	
	3AS			8: "Immunoblotting and Immiley & Sons, Inc., publ., pp. 10				ols in
/	3AT			16: "Immunoprecipitation", Cubl., pp. 10.16.1-10.16.29 (19		ocols i	n Molecular	Biology
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		•	U.S. F	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
SL/	4AA	5,569,588	10/29/96	Ashby et al.			
1	4AB	5,569,825	10/29/96	Lonberg et al.			/
	4AC	5,571,698	11/5/96	Ladner et al.	. \		7
	4AD	5,573,920	11/12/96	Randle		\	
	4AE	5,580,717	12/3/96	Dower et al.		1	7
	4AF	5,585,089	12/17/96	Queen et al.			
	4AG	5,593,853	1/14/97	Chen et al.		7	
	4AH	5,601,819	2/11/97	Wong et al.			
	4AI	5,605,793	2/25/97	Stemmer			
	4AJ	5,622,929	4/22/97	Willner et al.			
	4AK	5,625,126	4/29/97	Lonberg et al.			
	4AL	5,633,425	5/27/97	Lonberg et al.			
			FOREIG	N PATENT DOCUMENTS			\
		DOCUMENT NUMBER	DATE	OFFICE	CLASS	UBCLASS TRA	ANSLATIO
	4AM	WO 87/04462	7/30/87	PCT			7
	4AN	WO 89/01036	2/9/89	PCT			4
	4A0	WO 89/10404	11/2/89	PCT			
	4AP	WO 89/12624	12/28/89	PCT			
	4AQ	WO 90/02809	3/22/90	PCT			
		OTHER DOC	UMENTS (Including Author, Title, Date, P	ertinent pages, Etc.	.)	
	4AR	Ausubel, F.M. et al., e Protocols in Molecular	ds., Unit 11. Biology, Vo	2: "Enzyme-Linked Immur ol. 2, John Wiley & Sons, In	nosorbent Assay nc., publ., pp. 11.	s (ELISA)", Cur 2.1-11.2.22 (19	rent 191)
	4AS	Baum, R., "Solid-phas (1993)	e synthesis	of benzodiazepines", Cher	mical & Engineer	ring News, pp. 3	33-34
/	4AT	Bebbington, C.R. et a a Glutamine Syntheta 169-175 (1992)	l., "High-Lev se Gene as	el Expression of a Recomb an Amplifiable Selectable l	oinant Antibody f Marker', Bio/Teo	rom Myeloma C hnology, Vol. 1	Cells Usir 0, pp.
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			U.S. F	PATENT DOCUMENTS				
KAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	C	ASS SUI	CLASS	FILING DATE
/SL/	5AA	5,652,361	7/29/97	Simon et al.	,			
1	5AB	5,658,727	8/19/97	Barbas et al.				
\top	5AC	5,661,016	8/26/97	Lonberg et al.				7
	5AD	5,698,426	12/16/97	Huse				1
$\overline{\cdot}$	5AE	5,733,743	3/31/98	Johnson et al.				7
	5AF	5,750,753	5/12/98	Kimae et al.				
	5AG	5,756,065	5/26/98	Wilson et al.				
	5AH	5,766,883	6/16/98	Ballance et al.				
	5AI	5,780,225	7/14/98	Wigler et al.		1	\mathcal{I}	
	5AJ	5,807,715	9/15/98	Morrison et al.				
	5AK	5,811,238	9/22/98	Stemmer et al.				
1.	5AL	5,814,318	9/29/98	Lonberg et al.			\mathcal{I}	
			FOREIG	N PATENT DOCUMENTS	;		\	
		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLAS	S TRA	NSLATIC NO
	5AM	WO 91/00360	1/10/91	PCT		/		
1	5AN	WO 91/06570	5/16/91	PCT				1/2
	5AO	WO 91/06657	5/16/91	PCT		•		
	5AP	WO 91/09967	7/11/91	PCT				
	5AQ	WO 91/10737	7/25/91	PCT				
	•	OTHER DOC	UMENTS (Including Author, Title, Date, P	ertinent pages,	Etc.)		
	5AR	Chimera of its Recepto	rα Subunit a	rization of the Interaction of and Development of an ELIS urnal of Molecular Recognition	A Screening A	Assay using	Real-Ti	with an F me
	5AS	Better, M. et al., " <i>Esci</i> 240, pp. 1041-1043 (1	herichia coli 1988)	Secretion of an Active Chi	meric Antiboo	ly Fragmen	", Scier	
	5AT	Bibila, T.A. et al., "In I Biotechnol. Prog., Vol	Pursuit of the	e Optimal Fed-Batch Proce pp. 1-13 (1995)	ess for Monoc	lonal Antibo	dy Pro	duction"
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U.S. PATENT DOCUMENTS CLASS SUBCLASS NAME **DOCUMENT NUMBER** DATE /SL/ 6AA 5.821.047 10/13/98 Garrard et al. 11/3/98 Stemmer et al. 6AB 5,830,721 11/10/98 Stemmer et al. 6AC 5.834.252 Minshull et al. 6AD 5,837,458 11/17/98 6AE 3/2/99 Fleer et al. 5,876,969 3/23/99 Griffiths et al. 6AF 5,885,793 6/29/99 Hori et al. 6AG 5,916,771 8/17/99 Kucherlapati et al. 6AH 5,939,598 10/19/99 McCafferty et al. 6AI 5,969,108 6AJ 5,985,660 11/16/99 Galy 2/1/00 Pantoliano et al. 6AK 6,020,141 6,036,920 3/14/00 Pantoliano et al. 6AL **FOREIGN PATENT DOCUMENTS** TRANSLATION YES NO **CLASS SUBCLASS** DATE **OFFICE DOCUMENT NUMBER** 7/25/91 **PCT** 6AM WO 91/10741 WO 91/14438 10/3/91 PCT 6AN **PCT** 6AO WO 91/19735 12/26/91 1/9/92 **PCT** 6AP WO 92/00091 1/23/92 **PCT** 6AQ WO 92/01047 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.) Bitter, G.A. et al., "Expression and Secretion Vectors for Yeast", Methods in Enzymology, Vol. 153, pp. 516-544 (1987) 6AR Bittner, M. et al., "Molecular classification of cutaneous malignant melanoma by gene expression profiling", Nature, Vol. 406, pp. 536-540 (2000) 6AS Blanchard, A.P. et al., "Sequence to array: Probing the genome's secrets", Nature Biotechnology, Vol. 6AT 14, pp. 1649-1651 (1996) DATE CONSIDERED **EXAMINER** 11/06/2007

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1	8AB	WO 93/17715	9/16/93	PCT	1		
	8AC	WO 93/20242	10/14/93	PCT		_	
	8AD	WO 93/21232	10/28/93	PCT			
	8AE	WO 95/15982	6/15/95	PCT			
	8AF	WO 95/20401	8/3/95	PCT			
	8AG	WO 96/04388	2/15/96	PCT		\	
	8AH	WO 96/22024	7/25/96 .	PCT			
	8AI	WO 96/33735	10/31/96	PCT			
	8AJ	WO 96/34096	10/31/96	PCT			
	8AK	WO 97/00271	1/3/97	PCT			
	8AL	WO 97/46251	12/11/97	PCT			
	8AM	WO 98/16654	4/23/98	PCT			
	8AN	WO 98/24893	6/11/98	PCT		V	
	8AO	WO 98/46645	10/22/98	PCT	·	^	
	8AP	WO 98/50433	11/12/98	PCT .			
	8AQ	WO 99/04813	2/4/99	PCT			
V	8AR	WO 00/62778	10/26/00	PCT			
	AS					. /	
	AI						
	AU					/	
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	AY						
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	9AE	Chen, C. et al., " 'Analogous' Organic Combinatorial Chemistry in Small-Mol 2661-2662 (1994)	Synthesis of Small-Compound Libraries: Validation of ecule Synthesis", J. Am. Chem. Soc., Vol. 116, No. 6, pp.
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	9AG	Cho, C.Y. et al., "An Unnatural Biopoly	ymer", Science, Vol. 261, pp. 1303-1305 (1993)
	9AH	Chothia, C. et al., "Canonical Structure Mol. Biol., Vol. 196, pp. 901-917 (1987)	es for the Hypervariable Regions of Immunoglobulins", J. 7)
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	9AJ	Chothia, C. et al., "Structural Determir J. Mol. Biol., Vol. 278, pp. 457-479 (19	nants in the Sequences of Immunoglobulin Variable Domain", 998)
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	9AL		integration of the technology within pharmaceutical research Biotechnology, Vol. 11, pp. 602-609 (2000)
	9AM	Hamster Ovary Cells Using Glutamine 662-667 (1990)	ssion of Tissue Inhibitor of Metalloproteinases in Chinese e Synthetase Gene Amplification", Bio/Technology, Vol. 8, pp.
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	10AH		3: "Delivery Systems for Gene Therapy", Current Protocols y & Sons, Inc., publ., pp. 13.0.1-13.10.7 (1999)
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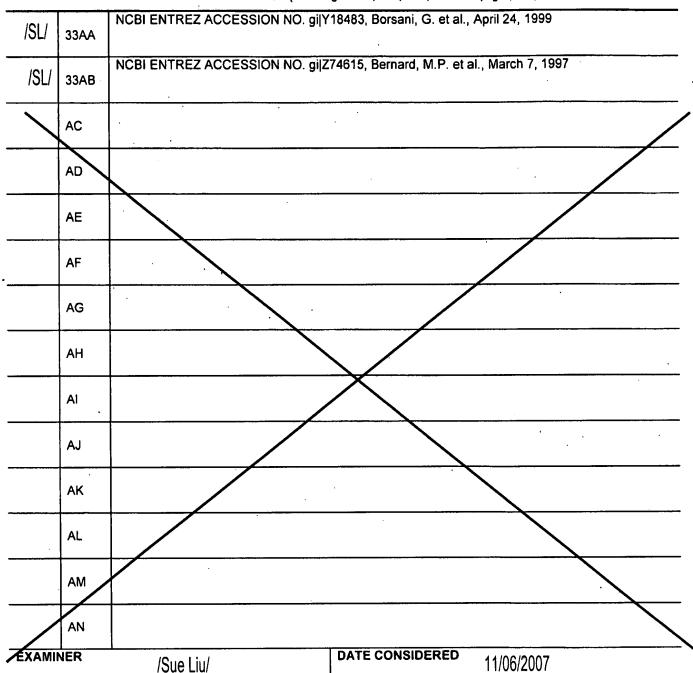
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Application Number	10/501,035							
Filing Date	05/02/2005							
First Named Inventor	FEI HUANG							
Art Unit	1639							
Examiner Name	LIU, SUE XU							
Attorney Docket Number	D0185 US PCT							

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					First Named Inventor	FEI HUANG
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Sheet	1	of	1	:	Attorney Docket Number	D0185 US PCT

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